

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20020079552").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/03 20:53
L2	1	1 and damascene	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/03 21:34
L3	2	("20020153588").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/03 21:50
L4	1	3 and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/03 22:42
L5	2511	((257/209) or (257/529) or (257/e21.592) or (257/e23.149) or (257/e23.15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/03 22:43
L6	47	5 and fuse near4 (al alumin\$1um) and (copper cu) near4 interconnect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 22:45
L7	42	5 and fuse near4 (al alumin\$1um) and (copper cu) near4 interconnect\$3 and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 22:45
L8	33	5 and fuse near4 (al alumin\$1um) and (copper cu) near4 interconnect\$3 and laser and passivati\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 22:46
L9	20	5 and fuse near4 (al alumin\$1um) and (copper cu) near4 interconnect\$3 and laser and passivati\$2 and (aperture window recess)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 22:47

## EAST Search History

L10	18	5 and fuse near4 (al alumin\$1um) and (copper cu) near4 interconnect\$3 and laser and passivati\$2 and (aperture window recess) and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 22:49
L11	1	taiwan adj semiconductor.as. and fuse near4 (al alumin\$1um).clm. and (copper cu) near4 interconnect\$3.clm. and laser.clm. and passivati\$2.clm. and (aperture window recess).clm. and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/03 22:50
S1	59	"5,879,966" "6,121,073" "6,330,252" "6,295,721" "6,335,229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/03 13:19
S2	10	((("5,879,966") or ("6,121,073") or ("6,330,252") or ("6,295,721") or ("6,335,229")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 11:11
S3	0	("804713.ap.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 11:15
S4	5	"804713".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 11:15
S5	716	fuse.ti. and "257"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 14:03
S6	24972	fuse.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 14:04
S7	0	fuse.ti. and (damage fragile crack\$3) near6 dielectric near6 laser adj trimming	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:06

## EAST Search History

S8	0	fuse.ti. and (damage fragile crack\$3) near12 dielectric near12 laser adj trimming	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:07
S9	0	fuse.ti. and (damage fragile crack\$3) near12 (passivat\$3 dielectric) near12 laser adj trimming	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:07
S10	2	fuse.ti. and (damage fragile crack\$3) near12 laser adj trimming	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:09
S11	193	fuse.ti. and (damage fragile crack\$3) and (passivat\$3 dielectric) and semiconductor adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S12	836	(257/529).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 14:26
S13	757	(257/529).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/06 14:26
S14	96	S13 and crack\$3 and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 14:27
S15	757	(257/529).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/06 15:52
S16	32	S15 and crack\$3 and laser and (silicon adj dioxide "Si O.sub.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 16:23
S17	2	("6433406").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 16:23

## EAST Search History

S18	34	(US-20050110070-\$ or US-20050101114-\$ or US-20050077594-\$ or US-20050077593-\$ or US-20040119138-\$ or US-20030168714-\$ or US-20030160297-\$ or US-20030153173-\$ or US-20030153135-\$ or US-20030151060-\$ or US-20030139028-\$ or US-20030132504-\$ or US-20030119227-\$ or US-20030011042-\$ or US-20020135043-\$).did. or (US-6335229-\$ or US-6330252-\$ or US-6295721-\$ or US-6121073-\$ or US-5879966-\$ or US-5844296-\$ or US-6750129-\$ or US-6518643-\$ or US-6300232-\$ or US-5955773-\$ or US-6104079-\$ or US-6268638-\$ or US-6288437-\$ or US-6433406-\$). did. or (US-6335229-\$ or US-6295721-\$ or US-6121073-\$ or US-5879966-\$ or JP-11017676-\$). did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/06 16:47
S19	3	S18 and copper near4 wiring and aluminum near4 fuse	US-PGPUB; USPAT; ÉPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:48
S20	3	S18 and copper near4 wiring and alumin\$um near4 fuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:53
S21	28393	fuse.ti. copper near4 wiring and alumin\$um near4 fuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:53
S22	28354	fuse.ti. (copper near2 wiring near10 alumin\$um near2 fuse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:53
S23	4	fuse.ti. and (copper near2 wiring near10 alumin\$um near2 fuse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:55

## EAST Search History

S24	0	jp-02068360\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:56
S25	0	jp-0268360\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:56
S26	2	jp-2001093981\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 16:56
S27	2	("6433406").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 13:18
S28	0	S27 and etch adj stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 10:40
S29	1	S27 and etch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 10:44
S30	1074	etch adj stop.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 10:44
S31	248	etch adj stop.ti. and "257"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 10:51
S32	248	etch adj stop.ti. and "257"/\$7.ccls. and etch adj stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 10:59
S33	5	"232214".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 11:14

## EAST Search History

S34	112	etch adj stop and fuse.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 11:48
S35	112	etch adj stop and fuse.ti. and fuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 11:49
S36	0	titankum adj nitride near3 etch adj stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 13:18
S37	54	titanium adj nitride near3 etch adj stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 13:18
S38	6	"6433406"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 13:46
S39	2	("6433406").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 13:46
S40	1	S39 and barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 13:46
S41	10	(US-6335229-\$ or US-6330252-\$ or US-6295721-\$ or US-6121073-\$ or US-5879966-\$).did. or (US-6335229-\$ or US-6295721-\$ or JP-11017676-\$ or US-6121073-\$ or US-5879966-\$).did.	USPAT; DERWENT	OR	OFF	2005/07/07 14:28
S42	6	S41 and (thick thickness)	USPAT; DERWENT	OR	OFF	2005/07/07 14:29
S43	6	S41 and (thick thickness)	USPAT; DERWENT	OR	ON	2005/07/07 14:39
S44	0	S41 and (thick thickness) near6 guard adj ring	USPAT; DERWENT	OR	ON	2005/07/07 14:31
S45	4	(guard adj ring guard-ring) near10 (thick thickness) and fuse.ti.	USPAT; DERWENT	OR	ON	2005/07/07 14:44

## EAST Search History

S46	8	(guard adj ring guard-ring) near20 (thick thickness) and fuse.ti,ab.	USPAT; DERWENT	OR	ON	2005/07/07 15:51
S47	2	("5795819").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 15:52
S48	10	(US-6335229-\$ or US-6330252-\$ or US-6295721-\$ or US-6121073-\$ or US-5879966-\$).did. or (US-6335229-\$ or US-6295721-\$ or JP-11017676-\$ or US-6121073-\$ or US-5879966-\$).did.	USPAT; DERWENT	OR	OFF	2005/07/07 17:19
S49	47702	"10" and laser near6 wavelength	USPAT; DERWENT	OR	OFF	2005/07/07 17:19
S50	2	S48 and laser near6 wavelength	USPAT; DERWENT	OR	OFF	2005/07/07 17:20
S51	14	guard adj ring near6 barrier and fuse.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 09:03
S52	14	guard adj ring near6 barrier and fuse.ti,ab,clm. and barrier and guard adj ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 09:05
S53	3	guard adj ring near6 barrier and fuse.ti,ab,clm. and barrier and guard adj ring near6 etch adj stop and barrier and guard adj ring and etch adj stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 09:05
S54	67	ying.in. and fuse and window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 09:19
S55	8	ying.in. and fuse and window and passivation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 10:08
S56	670	teos.ti,ab,clm. and dielectric adj constant	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 10:09

## EAST Search History

S57	362	teos.ti,ab,clm. and dielectric adj constant near6 "low"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 10:10
S58	342	teos.ti,ab,clm. and dielectric adj constant near2 "low"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 10:11
S59	236	teos.ti,ab,clm. and dielectric adj constant near2 "high"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 10:11
S60	90	S58 and S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 10:11
S61	37	(US-20020135043-\$ or US-20030011042-\$ or US-20030119227-\$ or US-20030132504-\$ or US-20030139028-\$ or US-20030151060-\$ or US-20030153135-\$ or US-20030153173-\$ or US-20030160297-\$ or US-20030168714-\$ or US-20040119138-\$ or US-20050077593-\$ or US-20050077594-\$ or US-20050101114-\$ or US-20050110070-\$).did. or (US-5844296-\$ or US-5879966-\$ or US-5955773-\$ or US-6104079-\$ or US-6121073-\$ or US-6268638-\$ or US-6288437-\$ or US-6295721-\$ or US-6300232-\$ or US-6330252-\$ or US-6335229-\$ or US-6433406-\$ or US-6518643-\$ or US-6750129-\$ or US-6300252-\$).did. or (JP-2001093981-\$).did. or (JP-11017676-\$ or US-5879966-\$ or US-6121073-\$ or JP-2001093981-\$ or US-6295721-\$ or US-6335229-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/07/08 11:01



## EAST Search History

S62	2	S61 and kagiwata.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/08 11:01
S63	0	kagiwata.in. and fuse and guard adj ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/08 11:02
S64	7	kagiwata.in. and fuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/08 11:21
S65	1714	((257/209) or (257/529) or (257/E21.592) or (257/E23.149) or (257/E23.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/08 11:22
S66	73	S65 AND LASER NEAR2 (MELTING TRIMMING) AND (CRACK\$3 DAMAG\$3 MOISTURE) AND FUSE	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 11:24
S67	6	"804713".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 14:03
S69	2	("6433406").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 20:26
S70	2	("6300252").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 19:56
S71	2	jp-2001093981\$-\$\$.did:	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 21:38
S72	41	"low" near3 (k dielectric permittivity) near10 fuse.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/02 21:38

## EAST Search History

S73	16	"low" near3 (k dielectric permittivity) near3 fuse.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/02 21:40
S74	16	"low" near3 (k dielectric permittivity) near3 fuse.ti,ab,clm. and (dielectric permittivity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/02 22:08
S75	299	dielectric adj constant near6 TEOS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/02 22:08
S76	29	"low" near2 (dielectric adj constant) near2 TEOS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/02 22:09
S77	1	(US-20050205965-\$).did.	US-PGPUB	OR	OFF	2006/01/02 22:34
S78	5	"6330252"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 22:37
S79	11	"6300252"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 23:02
S80	10	"6300252" and passivat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 23:03
S81	2	"6300252".pn. and passivat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 23:29
S82	101	damascene near6 fuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 23:29

## EAST Search History

S83	57	damascene near6 fuse.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 23:29
S84	57	damascene near6 fuse.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/02 23:30
S85	20	dual adj damascene near6 fuse.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 00:07
S86	2	("6440833").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/02 23:43

# EAST Search History

S87	107	(US-20020017704-\$ or US-20020060352-\$ or US-20020084526-\$ or US-20020096735-\$ or US-20020113297-\$ or US-20020135043-\$ or US-20020145176-\$ or US-20020145177-\$ or US-20020158052-\$ or US-20020170898-\$ or US-20020171119-\$ or US-20020179990-\$ or US-20030011042-\$ or US-20030119227-\$ or US-20030132504-\$ or US-20030139028-\$ or US-20030151060-\$ or US-20030153135-\$ or US-20030153173-\$ or US-20030155629-\$ or US-20030160297-\$ or US-20030168714-\$ or US-20030213998-\$ or US-20040012071-\$ or US-20040032030-\$ or US-20040080022-\$).did. or (US-20040096591-\$ or US-20040115875-\$ or US-20040119138-\$ or US-20040183155-\$ or US-20040195648-\$ or US-20050077593-\$ or US-20050077594-\$ or US-20050101114-\$ or US-20050110070-\$ or US-20050205965-\$).did. or (US-4210875-\$ or US-4238839-\$ or US-4602420-\$ or US-4774561-\$ or US-4796075-\$ or US-4827325-\$ or US-4870472-\$ or US-5241212-\$ or US-5303402-\$ or US-5493148-\$ or US-5567643-\$ or US-5578517-\$ or US-5578861-\$ or US-5729041-\$ or US-5757060-\$ or US-5757264-\$ or US-5844295-\$ or US-5844296-\$ or US-5879966-\$ or US-5888851-\$ or US-5955773-\$ or US-5965927-\$ or US-5972756-\$ or US-6104079-\$ or US-6121073-\$ or US-6160302-\$). did. or (US-6177714-\$ or US-6180503-\$ or US-6180992-\$ or US-6255671-\$ or US-6268638-\$ or US-6274410-\$ or US-6288437-\$ or US-6294474-\$ or US-6295721-\$ or US-6300232-\$ or US-6300252-\$ or US-6320242-\$ or US-6323076-\$ or US-6330252-\$ or US-6335229-\$ or US-6339250-\$ or US-6380838-\$ or US-6420772-\$ or US-6423582-\$ or	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/03 07:55
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## EAST Search History

S88	14	S87 and etch adj stop adj (layer film)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/03 07:56
S89	14	S87 and etch adj stop adj (layer film)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 07:56
S90	153	fuse near4 passivation adj layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/03 09:21
S91	246	fuse near4 (passivation adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/03 09:21
S92	179	fuse near4 (passivation adj layer).ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 09:21
S93	51	fuse near4 (passivation adj layer).ti, ab,clm. and copper and aluminum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 09:21
S94	9	fuse near4 (passivation adj layer).ti, ab,clm. and copper and aluminum and (low-k ("low" near1 dielectric))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 09:37
S95	0	shimooka.in. and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 09:38
S96	2	jp-11224900\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 15:52
S97	2	"5677556".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 11:16

## EAST Search History

S98	4	fuse.ti,ab,clm. and window and passivation near4 (silicon adj dioxide) and aluminum near4 fuse and copper and damascene and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:39
S99	4	fuse.ti,ab,clm. and window and passivation near4 (silicon adj dioxide) and aluminum near4 fuse and copper and damascene	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:39
S100	18	fuse.ti,ab,clm. and window and passivation and aluminum near4 fuse and copper and damascene	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:40
S101	18	fuse.ti,ab,clm. and window and passivation and aluminum near4 fuse and copper and damascene and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:50
S102	1	aluminum near1 fuse.ti,ab,clm. and window and passivation and aluminum near4 fuse and copper and damascene and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:50
S103	3	aluminum near1 fuse and window and passivation and aluminum near4 fuse and copper and damascene and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:51
S104	3	aluminum near1 fuse and window and passivation and aluminum near4 fuse and copper and damascene and laser and (aluminum Al)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 12:53
S105	7	aluminum near1 fuse and window and passivation and aluminum near4 fuse and copper and (aluminum Al)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 13:07
S106	30	window and passivation and aluminum near4 fuse and copper and (aluminum Al)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 13:44
S107	30	window and passivation and aluminum near4 fuse and copper and (aluminum Al) and window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 14:55

## EAST Search History

S10 8	18	window and passivation and aluminum near4 fuse and copper and (aluminum Al) and window and damascene	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 15:01
S10 9	18	window and passivation and aluminum near4 fuse and copper and (aluminum Al) and window and damascene and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 15:02
S11 0	2170	((257/209) or (257/529) or (257/e21.592) or (257/e23.149) or (257/e23.15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/03 15:52
S11 1	51	S110 and fuse and alumin\$1um and copper and ("low" adj2 dielectric low-k) and laser and passivati\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 15:54
S11 2	205	storage near3 hydrogen adj gas.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 17:32
S11 3	39	storage near1 hydrogen adj gas.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 17:32
S11 4	0	storage near1 hydrogen adj gas near1 explosive.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 17:32
S11 5	0	storage near1 hydrogen adj gas near6 explosive.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 17:32
S11 6	0	storage near1 hydrogen adj gas near20 explosive.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/03 17:32
S11 7	1	(US-20050205965-\$).did.	US-PGPUB	OR	OFF	2006/07/15 21:31

## EAST Search History

S11 8	2	("6433406").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/15 22:35
S11 9	4	((("6433406") or ("6121073"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 22:30
S12 0	116	metal adj plug near4 (copper Cu)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 22:30
S12 1	0	metal adj plug near4 (copper Cu) and fuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 22:31
S12 2	6	metal adj plug near4 (copper Cu) and memory adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 22:31
S12 3	15	"6121073"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 15:30
S12 4	2	jp-11224900\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 16:17
S12 5	2	"20030003703".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 17:13
S12 6	940	(257/529).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 17:14
S12 7	1547859	S126 and (AL alumin\$1um) (Cu copper)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 17:15



## EAST Search History

S12 8	342	S126 and (Al alumin\$1um) and (Cu copper)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 17:15
S12 9	305	S126 and (Al alumin\$1um) and (Cu copper) and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:40
S13 0	154	S126 and (Al alumin\$1um) near3 fuse and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:42
S13 1	113	S126 and (Al alumin\$1um) near3 fuse and laser and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:42
S13 2	1	(US-20050205965-\$).did.	US-PGPUB	OR	OFF	2006/09/04 19:46
S13 3	1	(US-20050205965-\$).did. and "low"	US-PGPUB	OR	OFF	2006/09/04 20:21
S13 4	1	(US-20050205965-\$).did. and (thickness thick)	US-PGPUB	OR	ON	2006/09/04 20:24
S13 5	1	"20020153588".pn. and (thickness thick)	US-PGPUB	OR	ON	2006/09/04 21:00
S13 6	0	"6335229".pn. and low	US-PGPUB	OR	ON	2006/09/04 21:01
S13 7	0	"6335229".pn. and "low"	US-PGPUB	OR	ON	2006/09/04 21:01
S13 8	0	"6335229".pn.	US-PGPUB	OR	ON	2006/09/04 21:01
S13 9	2	"6335229".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 21:01
S14 0	2	"6335229".pn. and (low low-dielectric low-k)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 21:07

## EAST Search History

S14 1	1	"6335229".pn. and (silicon adj \$2oxide "SiO.sub.2")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 21:22
S14 2	2	"6828653".pn. and (low-k low-dielectric "low")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 21:23

# EAST Search History

S14 3	149	(US-20010054745-\$ or US-20050110070-\$ or US-20050077593-\$ or US-20040096591-\$ or US-20030160297-\$ or US-20030155629-\$ or US-20030153173-\$ or US-20030139028-\$ or US-20030119227-\$ or US-20050077594-\$ or US-20040119138-\$ or US-20050101114-\$ or US-20040056322-\$ or US-20030168714-\$ or US-20030153135-\$ or US-20030151060-\$ or US-20030132504-\$ or US-20040099632-\$ or US-20030060009-\$ or US-20030080393-\$ or US-20020179990-\$ or US-20020037606-\$ or US-20030011042-\$ or US-20030116820-\$ or US-20020135043-\$ or US-20040195648-\$).did. or (US-20040080022-\$ or US-20040032030-\$ or US-20040012071-\$ or US-20020171119-\$ or US-20020170898-\$ or US-20020158052-\$ or US-20020145176-\$ or US-20020113297-\$ or US-20020096735-\$ or US-20020084526-\$ or US-20020017704-\$ or US-20050205965-\$ or US-20050040491-\$ or US-20040183155-\$ or US-20040115875-\$ or US-20030213998-\$ or US-20020145177-\$ or US-20020060352-\$ or US-20030173597-\$ or US-20020142592-\$ or US-20040092091-\$ or US-20050218476-\$ or US-20050212081-\$ or US-20050179062-\$ or US-20050110148-\$ or US-20040217384-\$ or US-20030228756-\$).did. or (US-20030111740-\$ or US-20030003703-\$ or US-20040171263-\$).did. or (US-6433406-\$ or US-6121073-\$ or US-6873027-\$ or US-6784516-\$ or US-6827868-\$ or US-6713838-\$ or	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/09/04 21:39
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S14 4	149	(US-20010054745-\$ or US-20050110070-\$ or US-20050077593-\$ or US-20040096591-\$ or US-20030160297-\$ or US-20030155629-\$ or US-20030153173-\$ or US-20030139028-\$ or US-20030119227-\$ or US-20050077594-\$ or US-20040119138-\$ or US-20050101114-\$ or US-20040056322-\$ or US-20030168714-\$ or US-20030153135-\$ or US-20030151060-\$ or US-20030132504-\$ or US-20040099632-\$ or US-20030060009-\$ or US-20030080393-\$ or US-20020179990-\$ or US-20020037606-\$ or US-20030011042-\$ or US-20030116820-\$ or US-20020135043-\$ or US-20040195648-\$).did. or (US-20040080022-\$ or US-20040032030-\$ or US-20040012071-\$ or US-20020171119-\$ or US-20020170898-\$ or US-20020158052-\$ or US-20020145176-\$ or US-20020113297-\$ or US-20020096735-\$ or US-20020084526-\$ or US-20020017704-\$ or US-20050205965-\$ or US-20050040491-\$ or US-20040183155-\$ or US-20040115875-\$ or US-20030213998-\$ or US-20020145177-\$ or US-20020060352-\$ or US-20030173597-\$ or US-20020142592-\$ or US-20040092091-\$ or US-20050218476-\$ or US-20050212081-\$ or US-20050179062-\$ or US-20050110148-\$ or US-20040217384-\$ or US-20030228756-\$).did. or (US-20030111740-\$ or US-20030003703-\$ or US-20040171263-\$).did. or (US-6433406-\$ or US-6121073-\$ or US-6873027-\$ or US-6784516-\$ or US-6827868-\$ or US-6713838-\$ or	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/09/04 21:40
3/3/07 10:50:44 PM		Page 20				
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## EAST Search History

S14 5	149	S144	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 21:40
S14 6	53	S145 and (low-k "low" near1 dielectric)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 21:50
S14 7	77	257/529.ccls. and (low-k "low" near1 dielectric)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:15
S14 8	17	257/529.ccls. and (low-k "low" near1 dielectric) near4 (silicon adj \$2oxide "SiO.sub.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:23
S14 9	17	257/529.ccls. and (low-k "low" near1 dielectric) near4 (silicon adj \$2oxide "SiO.sub.2") and (low-k "low" near1 dielectric)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:24
S15 0	1	"20050205965".pn. and (low-k "low" near1 dielectric) near4 (silicon adj \$2oxide "SiO.sub.2") and (low-k "low" near1 dielectric)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:33
S15 1	3595	(low-k "low" near1 dielectric) near4 (silicon adj \$2oxide "SiO.sub.2") and (low-k "low" near1 dielectric)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:33
S15 2	3595	(low-k "low" near1 dielectric) near4 (silicon adj \$2oxide "SiO.sub.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:33
S15 3	465	(low-k "low" near1 dielectric) near4 (silicon adj \$2oxide "SiO.sub.2").ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:34
S15 4	222	(low-k "low" near1 dielectric) near2 (silicon adj \$2oxide "SiO.sub.2").ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:34

## EAST Search History

S15 5	176	(low-k "low" near1 dielectric) near2 (silicon adj \$2oxide "SiO.sub.2").ti, ab,clm. and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:45
S15 6	2	257/529.ccls. and (low-k "low" near1 dielectric) near2 (silicon adj \$2oxide "SiO.sub.2").ti,ab,clm. and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:47
S15 7	3	257/529.ccls. and (low-k "low" near1 dielectric) near6 (silicon adj \$2oxide "SiO.sub.2").ti,ab,clm. and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 22:49
S15 8	4	257/529.ccls. and (low-k "low" near1 dielectric) near10 (silicon adj \$2oxide "SiO.sub.2").ti,ab,clm. and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 23:03
S15 9	56	257/529.ccls. and (low-k "low" near1 dielectric) and laser and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 00:02
S16 0	2	"6335229".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 00:04
S16 1	28	257/529.ccls. and (thick thickness) near4 (fuse) with (alumin\$1um Al)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 00:07
S16 2	19	257/529.ccls. and (thick thickness) near4 (fuse) with (alumin\$1um Al) and laser and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 00:13
S16 3	5	257/529.ccls. and (wavelength) near4 (fuse) with (alumin\$1um Al) and laser and @ad<"20040319"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 00:39
S16 4	1	"20020079552".pn. and damascene	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 00:48

## EAST Search History

S16 5	1	"20020079552".pn. and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 01:18
S16 6	2404	((257/209) or (257/529) or (257/e21.592) or (257/e23.149) or (257/e23.15)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 01:19
S16 7	0	S166 and (Al alimun\$1um) near3 fuse.clm. and copper near3 (damascene interconnect\$3).clm. and (low-k "low" near1 dielectric). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 01:20
S16 8	0	S166 and (Al alumin\$1um) near3 fuse.clm. and copper near3 (damascene interconnect\$3).clm. and (low-k "low" near1 dielectric). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 01:21
S16 9	0	S166 and (Al alumin\$1um) near3 fuse.clm. and copper near3 (damascene interconnect\$3).clm. and (low-k "low" near1 dielectric). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 01:21
S17 0	1	S166 and (Al alumin\$1um) near10 fuse.clm. and copper near3 (damascene interconnect\$3).clm. and (low-k "low" near1 dielectric). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/05 01:21